CONTENTS OF VOLUME 34

Volume 34 Number 1 1988

Contents

G. ARENAS-DIAZ, P. MARTINEZ-MURILLO, L. I. FRANIC, M. B. CARNICERO, M. M. HIDALGO and R. MARTINEZ-RODRIGUEZ	1	Localization of aspartate aminotransferase (AAT-A) in the rat gastric mucosa. Histo-enzymological and immunocytochemical study at light and electron microscope levels
L. I. FRANIC and R. MARTINEZ-RODRIGUEZ	7	Light and electron microscope immunocytochemical localization of cytosolic aspartate aminotransferase (c-AAT-A) in the cerebellar cortex of the rat during postnatal development
M. BELJANSKI, L. C. NIU, MS. BELJANSKI, S. YAN and M. C. NIU	17	Iron stimulated RNA-dependent DNA polymerase activity from goldfish eggs
M. C. JAMUR and I. VUGMAN	27	Cytochemical demonstration of basic proteins in rat peritoneal mast cell maturation
S. LEONI, S. SPAGNUOLO, S. SERRA, A. TRENTALANCE and M. T. MANGIANTINI	33	Developmental and age-related changes of hepatic microsome glucose-6-phosphatase: latency and kinetic parameters
I. MORADILLO, A. TOLEDANO and M. A. BARCA	43	Long term chronic d-amphetamine-induced histobiochemical alterations of GD and AAT enzymatic activities in the rat cerebellum
G. PALLADINI, L. MEDOLAGO-ALBANI, V. P. GALLO, G. M. LAURO, G. DIANA, D. SCORSINI, L. ALFEI and V. MARGOTTA	53	The answer of the planarian *Dugesia gonocephala* neurons to nerve growth factor
N. PEYRI and P. HADJIISKY	65	Atherosusceptible White Carneau pigeon aorta: histochemistry and histoenzymology
R. JOUBERT, M. CARON and D. BLADIER	79	Distribution of β-galactoside specific lectin activities during pre- and post-natal mouse brain development
M. HÉLOUÉ and R. WEGMANN	89	Purification de la phosphatase alcaline du rein de boeuf
Y. S. CHO, M. PANIGEL and R. WEGMANN	97	Effects of cadmium on succinate dehydrogenase and ultrastructure of the cellular constituents of the rat placental labyrinth
R. WEGMANN	107	Revue de presse
	125	Announcements
	i	Instructions to authors for preparation of camera-ready copy

Volume 34 Number 2 1988

Contents

M. C. JAIN and N. ARORA	127	Glutathione concentration in the semen of cow and buffalo bulls

G. MENGHI, G. LAI, D. PICIOTTI and G. MATERAZZI	135	Composition and functional aspects of glycoconjugates extracted from hare (*Lepus europaeus*) sublingual gland
V. OGNEVA et V. REPIN	143	Caractéristiques microbiochimiques des protéines d'ilôts de Langerhans isolés chez des rats normoglycemiques au cours du diabète alloxanique
C. A. REDI, B. HILSCHER and H. WINKING	149	Unscheduled labelling by ^{3}H-thymidine in mouse pachytene spermatocytes and round spermatids of Robertsonian translocation carriers
G. A. S. PASSOS, JR and F. L. DE LUCCA	157	*In vivo* induction of immunological memory to human tumor extract with poly (A)-containing immune RNA
G. BIAGINI, G. BALLARDINI, M. FALLANI, V. VASI, R. SOLMI, P. DALL'ORTO, G. VIALE, C. CASTALDINI and F. B. BIANCHI	165	Hepatocellular cytoskeleton reorganization after phalloidin intoxication. An immuno-morphological view
A. TOLEDANO, M. A. BARCA and I. MORADILLO	175	Mitochondrial dehydrogenases during senescence of the cerebellar cortex. A comparative electron microscope study
A. CIBELLI, S. STEFANINI and M. P. CERÙ	191	Peroxisomal β-oxidation and catalase activities in fetal rat liver: effect of maternal treatment with clofibrate
S. K. TRIGUN and S. N. SINGH	207	Comparison of the molecular properties of muscle phosphofructokinase of young and old rats
A. CHAMLIAN, L. BENKOEL, M. A. CHRESTIAN, J. DI COSTANZO-DUFETEL, N. CANO and J. DI COSTANZO	215	Cytochemical localization of ouabain sensitive, K^+-dependent *p*-nitrophenyl phosphatase in human liver. Its relationship to Na^+, K^+-ATP-A
A. CHAMLIAN	223	Revue de presse
	229	Announcement

Volume 34 Number 3 1988

Contents

M. C. JAMUR and I. VUGMAN	231	Rat peritoneal mast cell regranulation and acid phosphatase and trimetaphosphatase activity induced after stimulation by 48/80. A fluorescence, ultrastructural, and cytochemical study
N. ARORA and M. C. JAIN	239	Sephadex G-200 column chromatographic studies on bubaline semen fractions
I. CAMPO-AASEN, J. CONVIT, E. PEREZ-SUAREZ and M. E. GALLINOTTO	247	*In vitro* interaction of *Acantamoeba castellani* with *Leishmania brasiliensis*
A. ISHII, M. MATSUI, Y. TERANO and Y. MIURA	255	Establishment and characterization of a novel human malignant melanoma cell line AKI
J.-L. BECKER, F. BARRE-SINOUSSI, D. DORMONT, M. BEST-BELPOMME and J.-C. CHERMANN	265	RNA-dependent DNA polymerase activity is regulated by ecdysterone in a drosophila cell line
P. P. SOOD, K. R. UNNIKUMAR, S. D. VINAY, R. G. RAGHU and R. WEGMANN	271	Duration dependent effect of methylmercury chloride and antagonists on the enzymes of the central nervous system of rat: II. Acid phosphatase study on the brain
G. MENGHI, G. LAI, D. PICIOTTI and G. MATERAZZI	279	Characterization and anticoagulant properties of rodent sublingual gland extracts

M. A. ROSEI 287 Effect of starvation and refeeding on cysteamine dioxygenase activity in rat liver and heart

L. QUEVEDO, V. NEUMANN, E. SCHMIDT and H. CARDENAS 295 Action of lycorine on neuroadrenergic response of a nerve-skin preparation

W.-M. HUI, H.-C. LIU and S.-K. LAM 303 Enterochromaffin-like cells of the human stomach—demonstration of histamine content and cholinergic nerve supply

G. B. WOLF, J. E. SCHERBERICH and W. SCHOEPPE 311 Peptidase-associated antigens as markers of differentiation in human kidney and renal adenocarcinoma

I. BRAVO, O. FUENTES, M. POZO and S. ROJAS 323 Kinetics of L-alanine and L-leucine transport at the blood–tissue interface in the perfused stomach

Volume 34 Number 4 1988

Contents

Editorial i

Review Paper

L. RÖNNBÄCK and E. HANSSON 337 Modulation of astrocyte activity—one way to reinforce morphine effects?

Research Papers

S. F. ALIÑO, E. HILARIO and A. ALVAREZ 351 Is the gastric lesion correlated with the inhibition of tissular peroxydase activity induced by indomethacin?

U. DEL MONTE, G. NERI CINI, S. CAPACCIOLI, R. PEREGO, R. CALDINI and M. CHEVANNE 361 Correlation of the *in vitro* incorporation of ^{14}C-labelled amino acids into proteins with tRNA levels in hepatomas 7793 and AH 130

L. VITAIOLI, E. BALDONI, L. BELLINI, A. PEDERZOLI and L. BOLOGNANI 373 Sulphatides in the frog oviduct: response to estradiol stimulation

E. POLYCHRONOPOULOS, G. DELICONSTANTINOS and A. TRICHOPOULOU 383 Utilization of Abell method for the determination of cholesterol and its oxides in human serum

M. MBIKAY, C. G. LINARD, F. SIROIS, C. LAZURE, N. G. SEIDAH and M. CHRETIEN 387 Tissue-specific expression of the prostatic secretory protein PSP_{94} in cyanomolgus monkey (*Macaca fascicularis*)

N. I. HOOPER, M. J. TISDALE and P. J. THORNALLEY 399 Glyoxalase activity and cell proliferation in Burkitt's lymphoma and transformed lymphoblast cells *in vitro*

R. D. BHATTACHARYA, K. CHIKAMORI and M. YAMADA 407 A study on enzyme adaptation pattern in postnatal rat liver in relation to activity rest cycle

Y. MARKSON, R. ROLLER, N. FARHOUDY, D. W. WEISS and F. DOLJANSKI 419 Studies on the turnover and metabolic fate of extracellular matrix components

Volume 34 Number 5 1988

Contents

A. BOOS, W. MEYER, H. G. HÜLSMANN and R. SCHWARZ 439 Histochemical demonstration of alkaline phosphatase activities in the bovine corpora lutea of pregnancy and estrous cycle

B. CLEMENT, C. GUGUEN-GUILLOUZO, J.-A. GRIMAUD, M. RISSEL and A. GUILLOUZO 449 Effect of hydrocortisone on deposition of types I and IV collagen in primary culture of rat hepatocytes

P. P. Sood, M. Panigel, J. P. Richoux and R. Wegmann — 461 — Immunocytochemical localization of angiotensinogen in the Nissl bodies

T. Okimoto, Y. Kinoshita, F. Hato, T. Toyokawa, S. Kimura and H. Kinoshita — 465 — Effects of thymosin on soybean lectin responsiveness of thymic small lymphocyte subsets from streptozotocin-induced diabetic rats

J. Kimura, A. Tsukise and M. Okano — 473 — Histochemistry of glycoconjugates in the major vestibular glands (Bartholin's glands) of the cat at an estrous stage

A. A. Hakim and C. E. Joseph — 483 — Correlation of mRNA hybridization and cell membrane oligosaccharide profile with colon carcinoma metastatic aggressiveness

H. A. Duran, C. Giulivi, A. Boveris and B. M. de Rey — 507 — The level of antioxidant enzymes in alveolar and peritoneal macrophages

M. Manganaro, M. R. Luparini, R. Ricciolini, F. Calio, A. Miccheli and F. Conti — 517 — *Trypanosoma lewisi*: study of the activity of lonidamine *in vitro* and *in vivo* in rats

T. Oda, S. Watanabe, Y. Maki, S. Ikeda, S. Seki, M. Murakami, S. Endo, H. Asonuma and T. Matsubara — 529 — Authentication of a human lymphoblastoid cell line producing a retrovirus and the infectivity of human T-cell and B-cell lines with the virus

C. Aussel, M. Vaubourdolle, L. Cynober, J. Agneray and O. G. Ekindjian — 539 — Insulin metabolism and action on amino acid uptake in human synoviocytes. Modifications induced by rheumatoid disease

J. M. Pizauro, C. Curti, P. Ciancaglini and F. A. Leone — 553 — Kinetic properties of Triton X-100 solubilized bone matrix induced alkaline phosphatase

G. Bruscalupi, M. E. Clementi, S. Leoni, M. T. Mangiantini, and S. Spagnuolo — 563 — Glucose-6-phosphatase activity in the liver microsomes of pregnant and hypercholesterolemic rats

K. Yamamoto, S. Osaki, S. Yamashita and M.-O. Yamada — 571 — Age-related anisotropic changes in the fiber orientation of the human blood vessel. An attempt at the application of the molecular orientation analyser for the measurement of human tissue

Volume 34 Number 6 — 1988

Contents

Review

S. Ricard-Blum and G. Ville — 581 — Collagen cross-linking

General Papers

A. Miccheli, T. Aureli, M. Delfini, M. E. Di Cocco, P. Viola, R. Gobetto and F. Conti — 591 — Study on influence of inactivation enzyme techniques and extraction procedures on cerebral phosphorylated metabolite levels by ^{31}P NMR spectroscopy

I. Garcia-Alonso, J. Mendez and E. Barbera-Guillem — 605 — Changes in succinate dehydrogenase zonation following cyclosporin-treatment in normal and regenerating rat liver

V. Franceschini and F. Ciani — 615 — Acetylcholinesterase distribution and choline acetyltransferase and acetylcholinesterase activities in the optic tectum of the frog during metamorphosis

M. G. Rambotti, C. Saccardi, M. E. Rossodivita and A. Spreca — 621 — Ultracytochemical localization of adenylate cyclase in liver of normal and of CCl_4 and CCl_4 plus colchicine treated rats

M. Opekarová — 629 — Interaction between electron transfer chain and lysine transport in yeast

A. Di Nola, E. Brosio, M. Delfini, F. Manes and S. Quattrocchi — 639 — Hydration mechanism study in lettuce seeds by proton NMR relaxation times

M. J. Sanchez-Beltran, F. Rodilla, M. D. Gomez-Ruiz, R. Izquierdo and J. Cabo	649	Inhibition of ureogenesis by two hypouricemic drugs (probenecid and benzbromarone). Comparison with allopurinol
P. Kovács, G. Csaba and O. Török	655	Effect of protease substrates on insulin imprinting. Experiments with Tetrahymena and Chang liver cells
A. Lilienbaum, Z. Li, G. Butler-Browne, C. Bolmont, J. A. Grimaud and D. Paulin	663	Human desmin gene: utilization as a marker of human muscle differentiation
S. Gaetani, A. Di Girolamo, V. Busiello and M. Di Girolamo	673	Soluble NADH-cytochrome b_5 reductase during murine erythroleukemic cell differentiation
O. Albert, I. Guerlince-Ulpat, M. Lorenzato, R. Vistelle, H. Millart et J. J. Adnet	685	Etude histopathologique du coeur de rat isolé travaillant en isovolumétrie: effets de l'isoprénaline et de la 4-désoxypyridoxine
P. P. Sood and R. Wegmann	693	Is renin present in the chromatin of the rat fetal brain nuclei?
K. R. Unnikumar, R. Wegmann and M. Panigel	697	Immunohistochemical profile of the human placenta. Studies on localization of prolactin, human chorionic gonadotropin, human placental lactogen, renin and oxytocin
R. Wegmann	711	Book Reviews
	741	Announcements
	i	Instructions to authors for preparation of camera-ready copy